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CENTRAL FAX CENTER

Application No.: 10/583,467

MAR 31 2008

Docket No.: JCLA21175

AMENDMENTIn The Claims:

Please amend the claims as follows:

Claim 1. (currently amended) A weight-training machine having an independent power generating function, which includes a plurality of stacks moving up and down by means of a pair of guides mounted vertically, a button unit disposed at a front center of the stacks and having the number of solenoid buttons corresponding to the number of the stacks and buttons inserted into insert holes of the stacks, and a wire guided by pulleys mounted to a frame,

wherein a solenoid unit [[(600)]] having the solenoid buttons [[(610)]] is separated from the button unit so that the solenoid buttons [[(610)]] are installed to a position adjacent to heads of the buttons [[(230)]]], wherein the buttons [[(230)]] are moved forward and backward electrically or manually, wherein a pair of generators [[(250)]] having a rod shape are installed at both rear sides of the stacks [[(240)]] so as to be parallel to each other vertically with a predetermined distance, and wherein a power supply [[(260)]] is installed below the generators [[(250)]] so that the power supply [[(260)]] is electrically connected to the generators [[(250)]] and the solenoid unit [[(600)]].

Claim 2. (currently amended) The weight-training machine according to claim 1, wherein the generator [[(250)]] includes a pipe [[(251)]] having a coil [[(251a)]] wound in contact with an inner side thereof, and a magnetic rod [[(252)]] combined to be movable in a length direction along inside of the coil [[(251a)]] and composed of a plurality of permanent magnets [[(252a)]]

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so that positive and negative poles are alternately laminated, whereby the generator [(250)] generates power by means of movement of the permanent magnets [(252a)] when reciprocating in the coil [(251a)] in a length direction along a selected stack [(240)]:

Claim 3. (currently amended) The weight-training machine according to claim 1, wherein the power supply [(260)] includes a converting switch [(261)] provided with electric power selectively from the generators [(250)] and an external power source [(510)], an inverter [(262)] for converting AC supplied from the converting switch [(261)] into DC, and a charger [(263)] for charging the supplied DC.

Claim 4. (currently amended) The weight-training machine according to claim 1, wherein a generator [(250a)] is further installed to one of the pulleys [(113)].

Claim 5. (currently amended) The weight-training machine according to claim 1, wherein a sensor [(611)] for sensing operation of the solenoid button [(610)] is mounted to the solenoid unit [(600)], wherein a sensor [(211a)] is installed to a controller [(210)] to operate a selected solenoid button [(610)] so that the button [(230)] is inserted into an insert groove [(240a)] of the stack [(240)], wherein the sensor [(611)] senses manual operation of the solenoid button [(610)] to make the controller [(210)] display a current exercising weight, wherein the sensor [(211a)] senses a user to be in an exercising position so that the controller

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[[(310)]] is operated when the user is in the exercising position and the power is automatically isolated when the user takes off from the exercising position.

Claim 6. (currently amended) A weight-training machine having an independent power generating function, which [[a stack is]] a plurality of stacks are mounted to a main body to be supported by guides and movable up and down by means of a wire, and the wire is guided by pulleys mounted to the main body so that an action point is adjusted by a weight adjustment device to control a load,

wherein the stacks are [[stack is]] uniformly divided vertically [[into several parts]], wherein an insert groove [[(240a)]] is formed at a lower center of a front surface of each part of the divided stack, wherein a fixing plate [[(220b)]] capable of moving forward and backward is inserted into the insert groove [[(240a)]] by a solenoid button [[(610)]] and a button [[(230)]] working together with the solenoid button [[(610)]] to select a weight, wherein a generator [[(250a)]] is installed to a frame at a position below the weight adjustment device so as to generate power by the wire passing via a moving device of the weight adjustment device.

Claim 7. (currently amended) A stack for a weight-training machine having a weight adjustment device in which [[the]]a number of buttons corresponding to [[the]]a number of stacks [[is]]are installed at a front center of the stacks, and in which a fixing plate is moved forward or backward by automatic or manual operation of the buttons so that the fixing plate is inserted into or taken out of [[the]]an insert groove,

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wherein ~~[[a weight adjustment device insert groove (240k)]]~~ an insert recess is formed at a front center of the stack ~~[[240]]~~ so that the weight adjustment device ~~[[200]]~~ is inserted therein, wherein the fixing plate ~~[[220b]]~~ has a rectangular plate shape, wherein the insert groove ~~[[240a]]~~ is formed at a lower center of a side that forms a front surface of the ~~[[weight adjustment device insert groove (240k)]]~~ insert recess so that the fixing plate ~~[[220b]]~~ is inserted therein.

Claim 8. (currently amended) The weight-training machine according to claim 3, wherein a sensor ~~[[611]]~~ for sensing operation of the solenoid button ~~[[610]]~~ is mounted to the solenoid unit ~~[[600]]~~, wherein a sensor ~~[[311a]]~~ is installed to a controller ~~[[310]]~~ to operate a selected solenoid button ~~[[610]]~~ so that the button ~~[[230]]~~ is inserted into an insert groove ~~[[240a]]~~ of the stack ~~[[240]]~~, wherein the sensor ~~[[611]]~~ senses manual operation of the solenoid button ~~[[610]]~~ to make the controller ~~[[310]]~~ display a current exercising weight, wherein the sensor ~~[[311a]]~~ senses a user to be in an exercising position so that the controller ~~[[310]]~~ is operated when the user is in the exercising position and the power is automatically isolated when the user takes off from the exercising position.